



```

supercompiler_timer()
{
    extern void (*supercompiler_routine)()

    /* Example usage actually calls the target subroutine
    twice, so time that:*/

    (*supercompiler_routine)(A, B, C, &N, &M);
    (*supercompiler_routine)(A, B, C, &N, &M);
}

```

**Figure 3**

```

#define ARRAY_SIZE 1024
int N=0
intM=0
double A[ARRAY_SIZE*ARRAY_SIZE];
double B[ARRAY_SIZE*ARRAY_SIZE];
double C[ARRAY_SIZE];

supercompiler_initialize()
{
    int i;

    /* Initialize the variables: */
    for (i = 0; i<ARRAY_SIZE*ARRAY_SIZE ; i++)
    {
        A[i] = (double) i;
        B[i] = (double) i;
    }
    for ( i = 0 ; i < ARRAY_SIZE ; i++ ) C[i] = (double) i;

    /* The target subroutine needs to call an auxiliary
    routine: */

    supercompiler_binding("samp_auxiliary_routine_",&samp
    _auxiliary_routine_);

    /* Place the caches into a known state: clean */
    flush_cache();
}

```

**Figure 4**

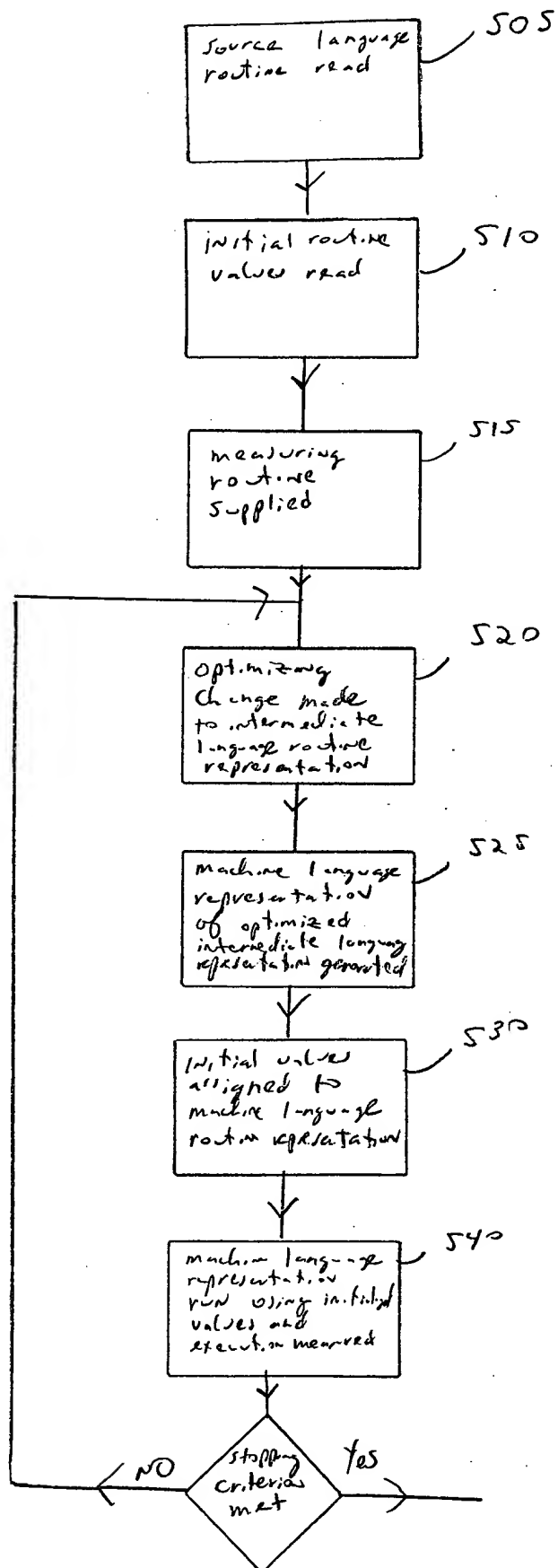


FIGURE 5



700 →

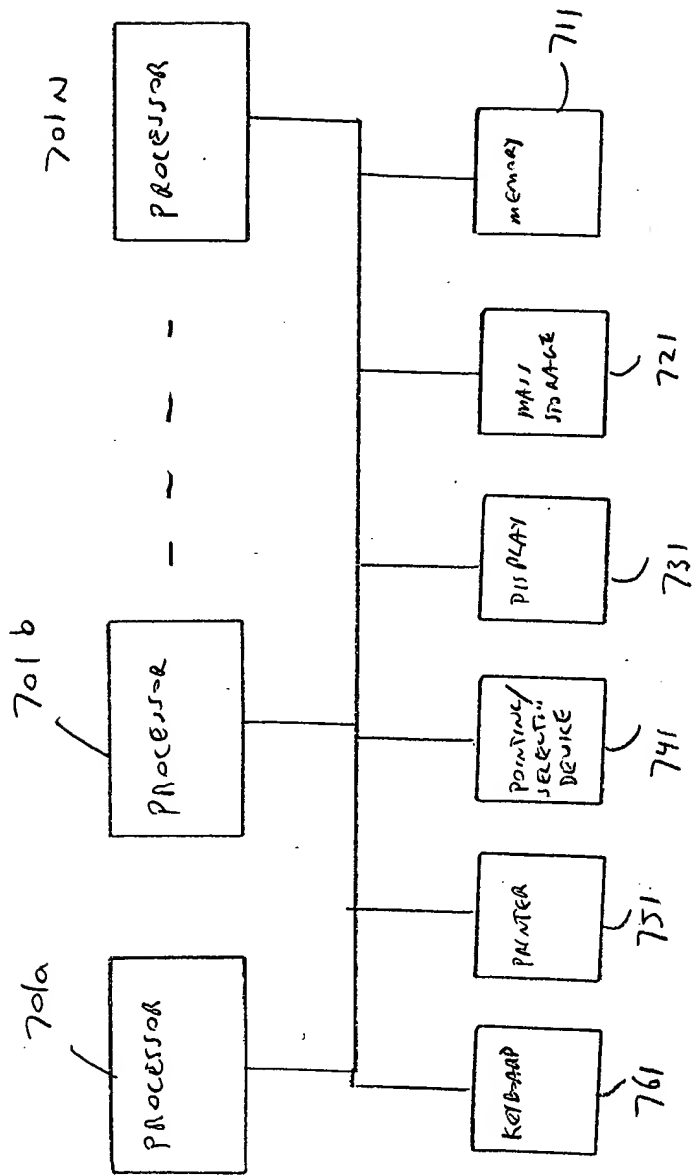


FIGURE 7